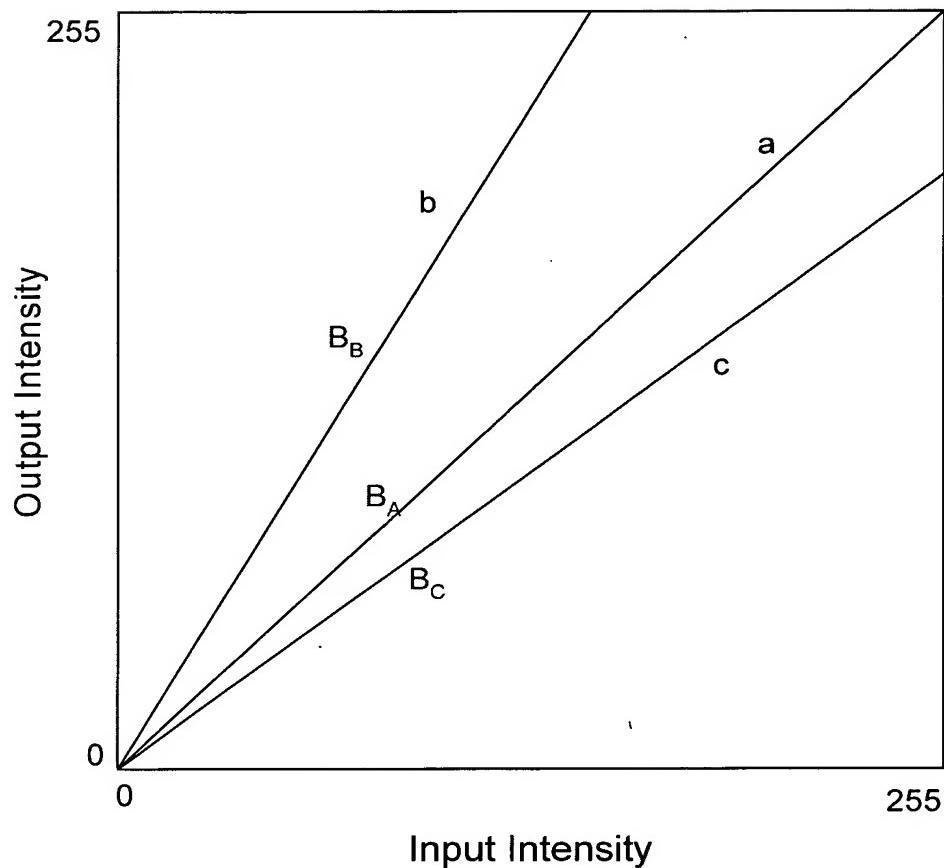


REPLACEMENT SHEET



- a - No change in output (Avg brightness B_A)
- b - Increased contrast, Increased brightness (Avg brightness B_B)
- c - Decreased contrast, Decreased brightness(Avg brightness B_C)

Figure 1

Standard contrast adjustment

REPLACEMENT SHEET

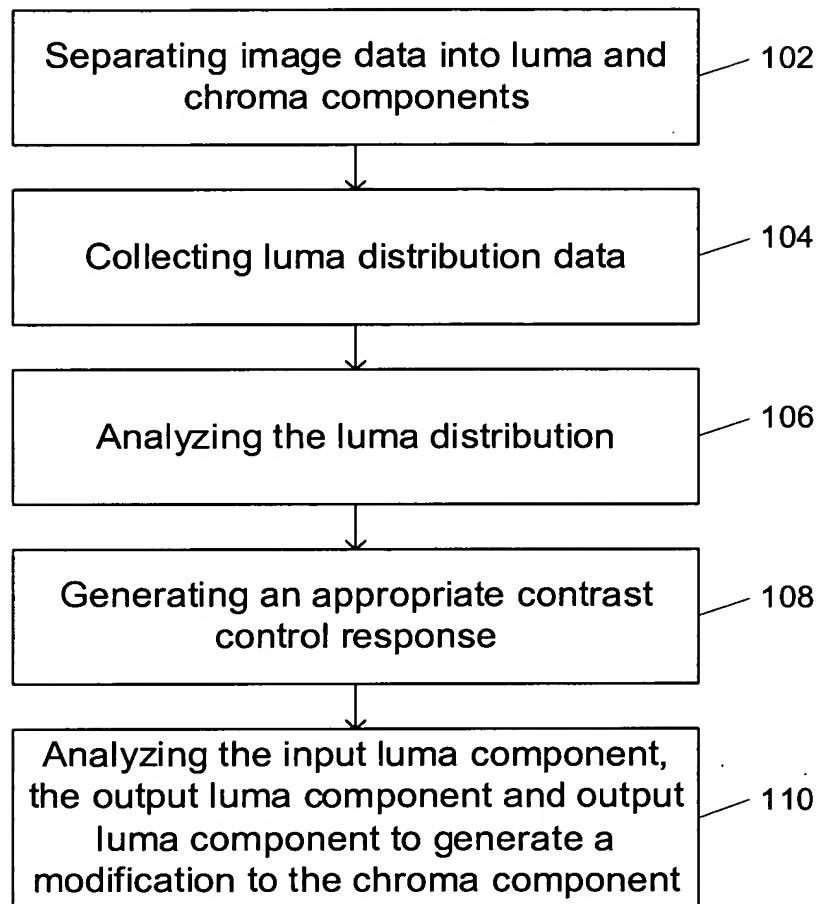


Fig. 2

REPLACEMENT SHEET

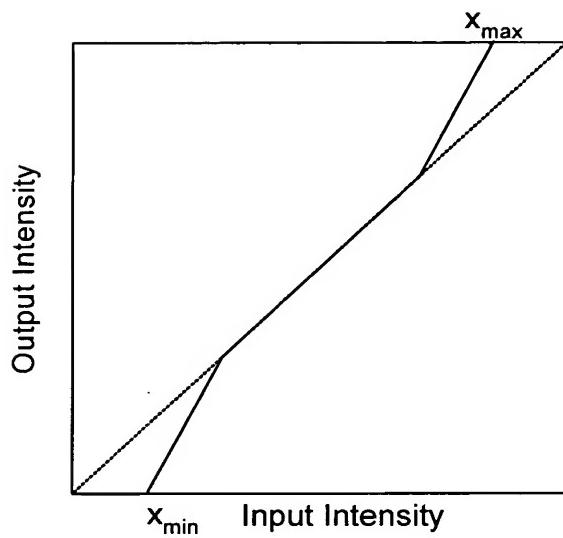


Figure 3
Recovering full luma dynamic range (“Snapping”)

REPLACEMENT SHEET

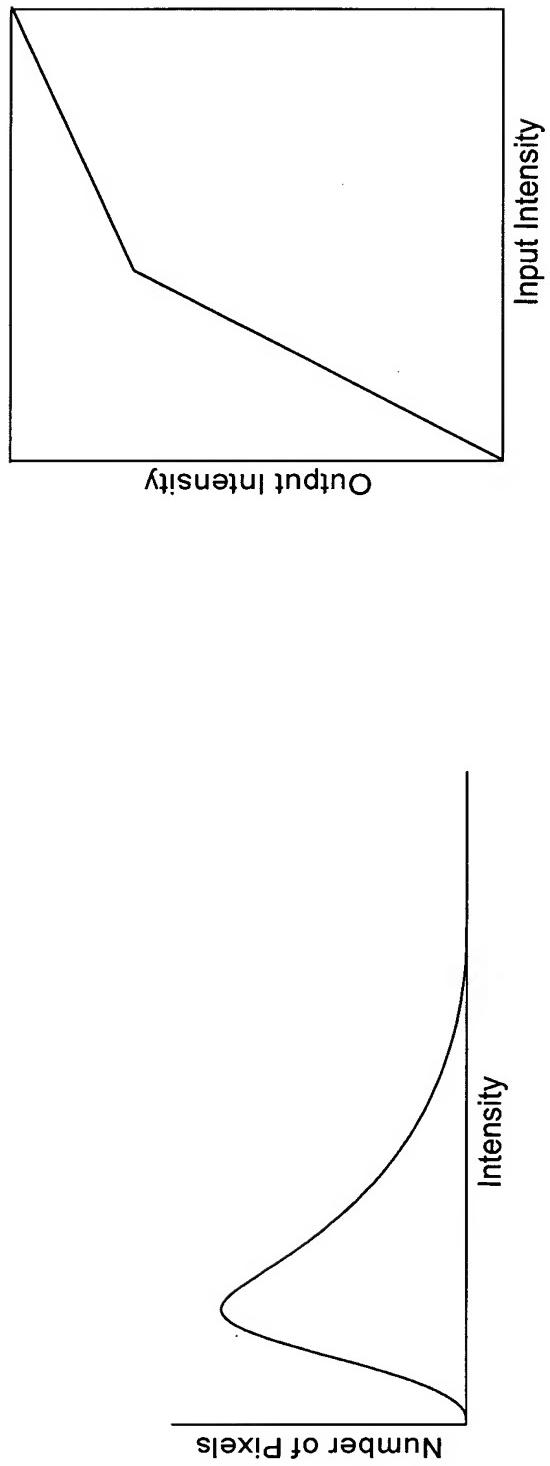


Figure 4

Dark image template transfer function

REPLACEMENT SHEET

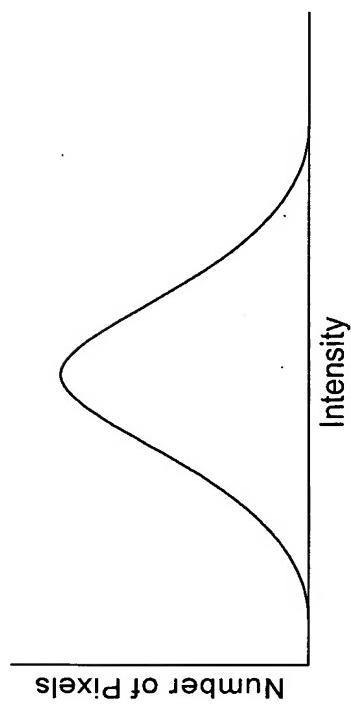
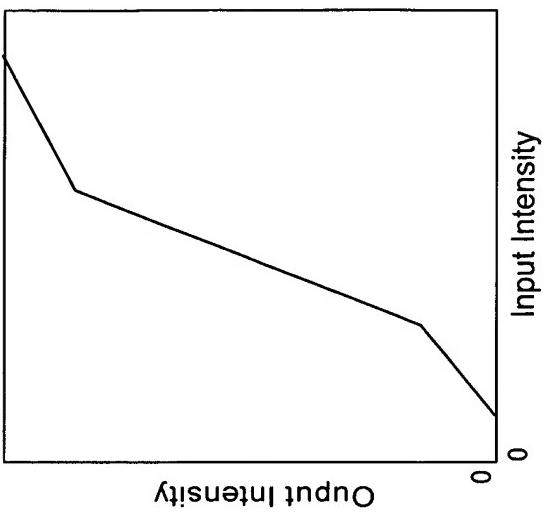


Figure 5

Mid-tone image template transfer function

REPLACEMENT SHEET

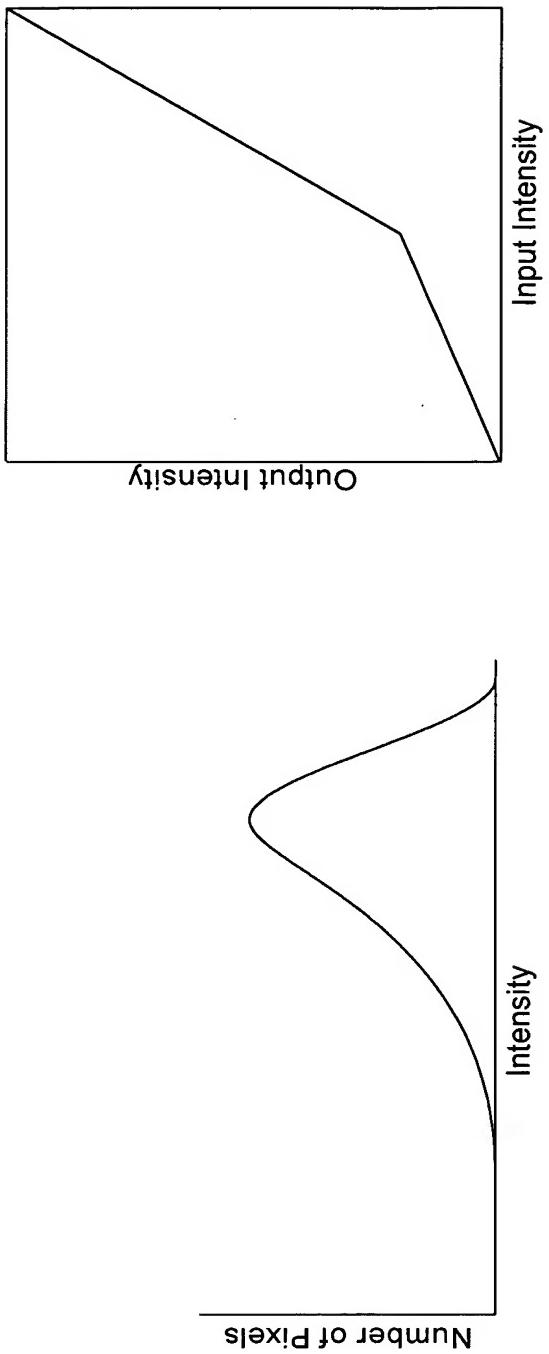


Figure 6

Bright image template transfer function

REPLACEMENT SHEET

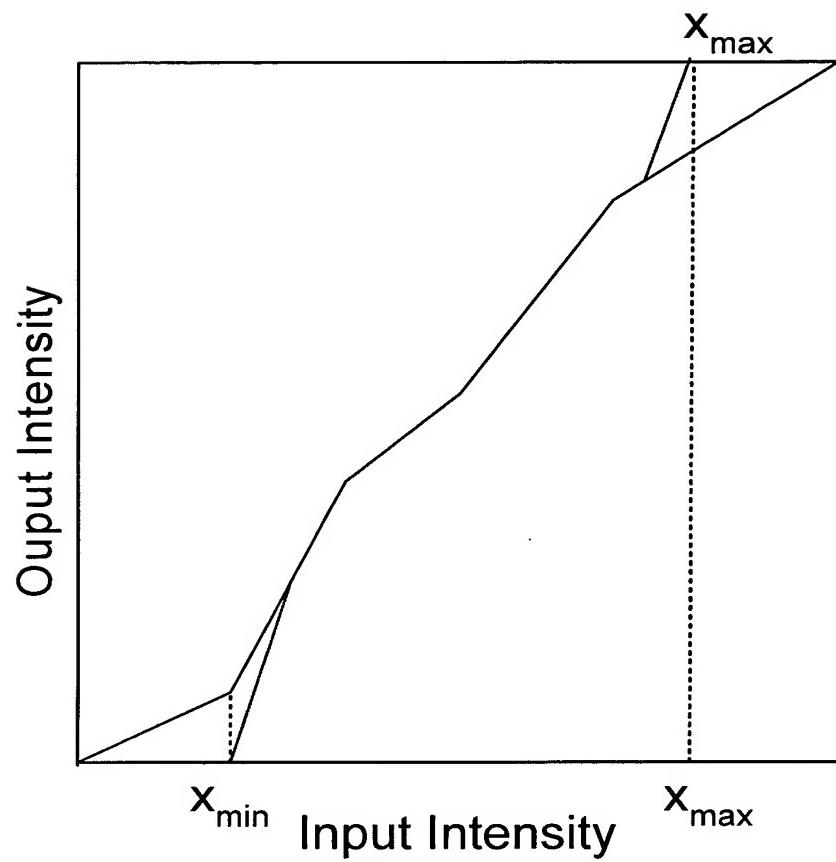


Figure 7



REPLACEMENT SHEET

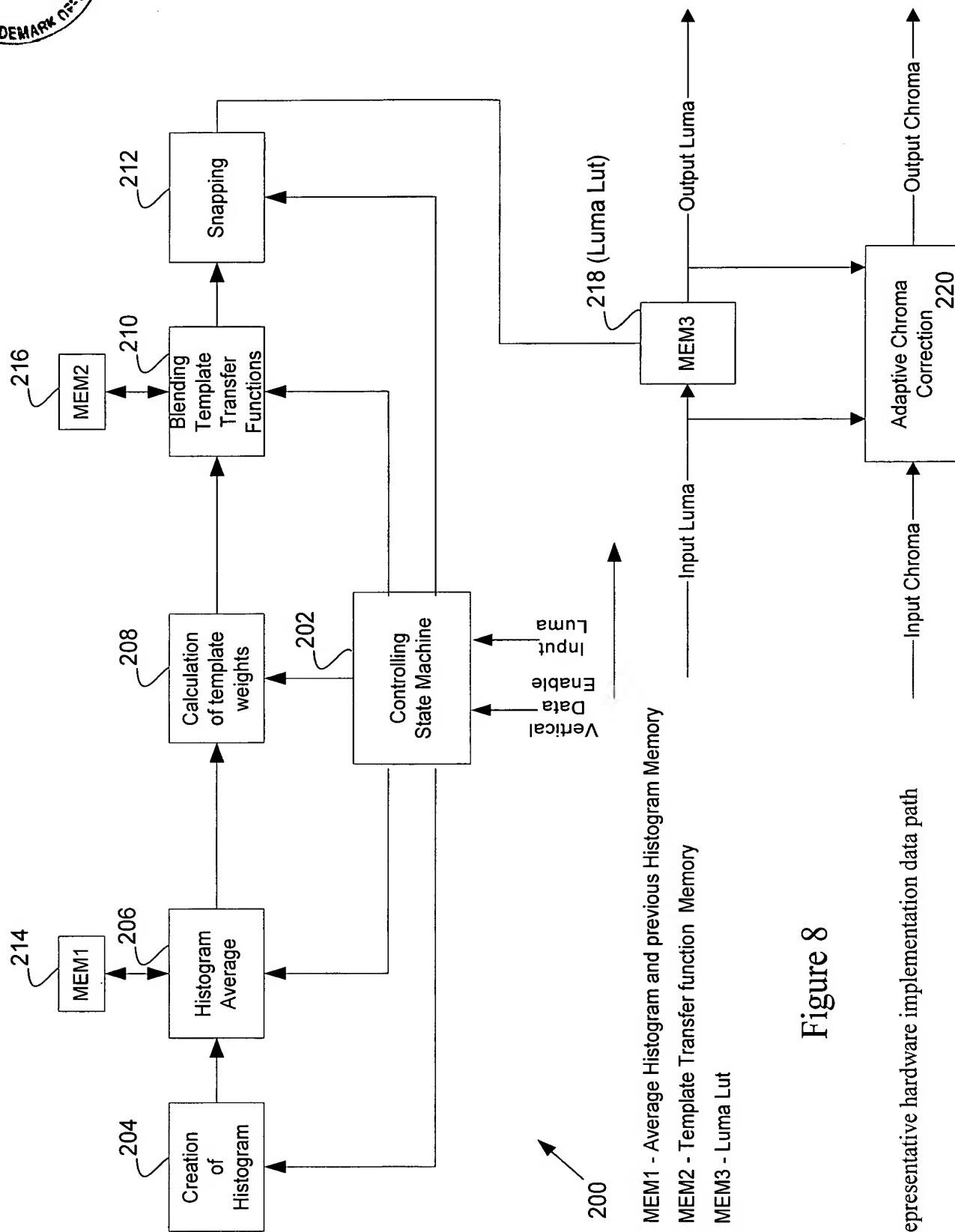


Figure 8

Representative hardware implementation data path